JBE-2100

Addressable Manual Call Point

Key Features

- Front LED indicator
- Resettable element with key tool supplied.
- Built-in auxiliary dry contacts operate when activated.
- Backbox with connection terminal allow for easy removal/installation.
- Programmable soft address by means of JBE-AT1 tool
- EN 54-11 certificate

JBE-2100 is an addressable manual call point (MCP) designed to operate on a loop of intelligent fire detection and alarm devices with the JBE loop protocol. This MCP sends a fire alarm signal to the fire panel when the resettable element is pressed as defined in the European norm EN 54-11.

After activation, the MCP will remain in alarm until it is reset with the supplied reset key. There is no glass break element in this device, so the reset operation is done without the need to replace any element.

The JBE-2100 also features a pair of normally open clean contacts, which close at activation. These can be optionally used for a local action or to provide an activation signal to third party systems.

Accessories

The MCP is provided with its own base JBE-2170 but it is also available as a replacement or spare part.

This base JBE-2170 is compatible with:

- Addressable Manual Call Point JBE-2100
- Conventional Manual Call Point JBE-2101

TECHNICAL DATA

Category	EN 54-11 type A indoor MCP
Working voltage	19-28 VDC (JBE protocol pulse amplitude)
Connection	2-wire JBE communication bus, no polarity
Wire size	Twisted pair, max. wiring gauge 2.5 mm2
Quiescent current	≤0.3 mA @24 V
Alarm current	≤1.0 mA @24 V
Clean contact rating	0.1 A / 30 V DC
Working temp.	-10°C ~ 55°C
Storage temp.	-20°C ~ 60°C
Environment humidity	≤ 95% RH (no condensation nor icing)
Addressing method	Soft addressing with tool JBE-AT1, non-volatile
Address range	1-200
Red LED Indication	Flashing when polled
	Steady on when in alarm
Dimensions (WxHxD)	90 mm × 90 mm × 52 mm
IP rating	IP40
Weight	0,16 kg (including base)
Standards	EN 54-11
Declaration of Perf.	DoP-0370-CPR-3803-1

Installation

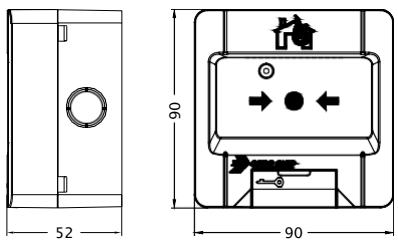
Always observe local fire and electric installation regulations.

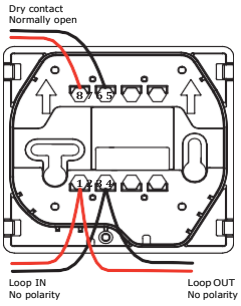
1. Secure the base to the wall (surface or flush mounted)
2. Connect the wiring to the base as per the following diagram.
3. Program an unused loop address (1 to 200) to the MCP using the JBE-AT1 tool
4. Insert the MCP face into its base and push firmly.
5. The head can be secured to the base by fitting an optional self-tapping screw (ST2.9x8) into its boss next to the reset keyhole.
6. Register the MCP into the fire panel's configuration.
7. Test each MCP and wiring integrity after installation and periodically according to local fire regulation.

Resetting an activated Manual Call Point

1. Open the tab in the bottom of the MCP face.
2. Insert the reset key.
3. Rotate key counterclockwise until the frangible element returns to its original position.

Mechanical dimensions (all dimensions in mm) and connection diagram





Terminals	Connection
1 & 2	Signal Loop L1, L2 (no polarity)
7 & 8	(Optional) Normally open dry contact switch max rating 0.1A - 30Vcc